

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1   5</div>	
2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">0004</div>		3. EFFECTIVE DATE <div style="text-align: center;">02-Feb-2004</div>		4. REQUISITION/PURCHASE REQ. NO. W33SJG-3308-4885		5. PROJECT NO.(If applicable)	
6. ISSUED BY US ARMY ENGINEER DISTRICT SAVANNAH 100 W OGLETHORPE AVENUE SAVANNAH GA 31401-3640		CODE W912HN		7. ADMINISTERED BY (If other than item 6) US ARMY ENGINEER DISTRICT SAVANNAH ATTN: CT/ LEE TEW 100 W OGLETHORPE AVE SAVANNAH GA 31402-0889		CODE DLT	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. W912HN-04-Q-0004	
				X		9B. DATED (SEE ITEM 11) 19-Dec-2003	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE PAGES 2-5.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  03-Feb-2004	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

Solicitation Number W912HN-04-Q-0004, RBR Unit 7 Repair Plan Development, is hereby amended as follows:

a. The following drawings are hereby added to and made a part of this solicitation:

- 01.CAL G-01 1 INDEX OF DRAWINGS
- 02.CAL 2 UPSTREAM ELEVATION AND TYPICAL SECTIONS
- 03.CAL 3 GENERAL PLAN - GALLERIES EL. 276.5, EL. 279.0 & EL. 282.0
- 04.CAL 4 GENERAL PLANS AND EQUIPMENT SCHEDULE - EL. 300.0 AND EL. 311.0
- 05.CAL 5 GENERAL PLANS AND EQUIPMENT SCHEDULE - EL. 322.0, EL. 332.5 AND EL. 340.0
- 06.CAL 6 GENERAL PLANS AND EQUIPMENT SCHEDULE - EL. 350.0
- 07.CAL 7 TRANSVERSE SECTION THRU UNITS 5 THRU 8
- 08.CAL 8 TRANSVERSE SECTION GENERATOR MOTOR UNIT - TYPICAL
- 09.CAL 9 PARTIAL LONGITUDINAL SECTION GENERATOR - MOTOR BAYS 7 & 8
- 10.CAL 10 COMBINED THRUST AND GUIDE BEARING ARRANGEMENT
- 11.CAL 11 COMBINED THRUST AND GUIDE BEARING INSTRUMENTS
- 12.CAL 12 SHOES
- 13.CAL 13 HIGH PRESSURE OIL LUBRICATING SYSTEM PIPING
- 14.CAL 14 HIGH PRESSURE OIL LUBRICATING SYSTEM
- 15.CAL 15 OIL INJECTION UNIT
- 16.CAL 16 DIAPHRAGM, SWIVEL & SWIVEL SUPPORT
- 17.CAL 17 DIAPHRAGM BASE RING
- 18.CAL 18 THRUST BEARING RUNNER
- 19.CAL 19 BASE RING SUPPORT & SHEATH FABRICATION
- 20.CAL 20 BASE RING SUPPORT & SHEATH MACHINING
- 21.CAL 21 ROTOR SHAFT FORGING & MACHINING
- 22.CAL 22 PUMP TURBINE SECTIONAL ELEVATION
- 23.CAL 23 GENERATOR 5 THRU 8 CROSS SECTION

b. The contents of the following files are hereby added to and made a part of this solicitation:

01. misctaskpics.pdf
02. 1stwipecpics.pdf
03. 2ndwipecpics.pdf
04. 3rdwipecpics.pdf
05. scanneddoc1.pdf
06. scanneddoc2.pdf
07. scanneddoc3.pdf
08. rbrpumpturbinemodeltestingresults.pdf

c. Clarifications to Contractor Questions:

01. Pre Bid Meeting (06 January 2004):

Attendees:

Name	Company/Organization	Phone Number
Gayle Barnes	USACE, Richard B. Russell Powerplant Manager	(706) 213-3462
John Ruffin	USACE, Richard B. Russell Powerplant Manager	(706) 213-3463
Stan Pejovic	Field System Machine Engineering	(800) 789-2814
David Parker	GPEA	(941) 351-3927
Bill Cook	MCS Associates	(248) 767-8842
Jay Palmer	USACE, Chief, Hydropower Support	(706) 213-3481
Clay Jones	USACE, Hydropower Support Co-op	(706) 213-3430

Ron Stocum

USACE, Richard B. Russell Senior Mechanic

(706) 213-3471

Question and Answers (the answer given during the meeting and the final answer are differentiated, the final answer is the one that Quoters should rely on when preparing their Quotations):

David Parker:

Question: Write-up will be test plan?

Answer During Meeting/Final Answer: Phase I will consist of necessary testing and monitoring to determine cause and fix to Unit 7 problems as well as a detailed plan/procedure for repairing the unit and returning it to a reliable state for generating and pumping.

Question: Are Powerplant personnel able and scheduled to do repairs?

Answer During Meeting/Final Answer: Powerplant mechanics and electricians are very experienced and skilled in their crafts and will be available as needed.

Question: Will Contract awardee have technical oversight of repairs?

Answer During Meeting: Yes.

Final Answer: If option 1 (Phase II) is exercised.

Question: Will there be similar arrangements for instrumentation (directed to Jay Palmer)?

Answer During Meeting/Final Answer: Depends on equipment/instrumentation used, but awardee will have technical oversight.

Question: Who determines where bearings are re-babbited and if RBR decides awardee have oversight (cannot provide warranty for work not optional to contractor)?

Answer During Meeting: Gayle—Depends, as lots of things are negotiable—will check with Contracting.

Final Answer: We have had very good success with our re-babbited bearings and received quality bearings. We will work with contractor on this.

Question: Can pictures be sent electronically?

Answer During Meeting: Yes.

Final Answer: Yes, the pictures are included in this amendment.

Question: Any wipes in pump mode?

Answer During Meeting/Final Answer: Gayle—In 1993, there was vibration in pump mode (noted in information packet distributed). Always wipes in generation mode.

Question: Have thrust bearings wiped out in other units?

Answer During Meeting/Final Answer: Gayle—Wipe on another unit during commissioning. It was on Unit 5 in 1992 (after 30 minutes of generation).

Question: Is 8 weeks enough time for testing and diagnosis? Is that time limit flexible?

Answer During Meeting/Final Answer: Gayle—That's up to Contracting.

Final Answer: Right now the Government feels that 8 weeks is a sufficient amount of time to complete phase 1. However, in any contract resulting from this solicitation additional time to complete phase 1 may be granted if the Contractor requests additional time and the Government determines that the additional time is warranted. If this were to occur then the contract would be modified to reflect the additional time.

Stan Pejovic:

Question: When you check balance is it good?

Answer During Meeting: Dynamic balancing was done by Alstom's engineer—took a day.

Final Answer: Dynamic balancing was done by Alstom's engineer—took a day. Documentation included in this amendment.

Question: Are protocol's they used available?

Answer During Meeting/Final Answer: No.

Question: Are there drawings of entire system—cross-section and structural—to be able to see what is different about this unit than other units if at all (from intake to discharge).

Answer During Meeting: Yes.

Final Answer: Yes, the drawings are included in this amendment.

Question: Is there protocol as to what has been done (diagnosis and testing) so far to avoid repetition?

Answer During Meeting: Yes, pictures and notes will be sent with the amendment.

Final Answer: Yes, included in this amendment.

Question: Are test reports on vibration and balancing available? Can bidders/contractors get copies for analysis (save time and expense)?

Answer During Meeting: We will send available documentation with amendment.

Final Answer: Yes, included in this amendment.

Question: Any thought given to forming panel of technical experts to bring different experience/expertise together to solve problem?

Answer During Meeting/Final Answer: We are a Federal Agency. Therefore, to form a panel of technical experts (similar to what we are doing in Phase I) we would have to send out for bid just as in this case.

#### Questions Received After the Pre-Bid Conference:

02. Question: List of your staff to be involved in on-site and other specified work?

Answer: We have a staff of 6 Mechanics, 6 Electricians, 1 Mechanical Engineer, and 1 Electrical Engineer available to work with vendor.

03. Question: Drawings available? (layout, cross-section of the plant and hydraulic waterways both for turbines and reversible pump-turbines)

Answer: Yes, drawings are included in this amendment.

04. Question: Commissioning program, results of measurements, and description of the equipment and acquisition system available?

Answer: Available information is included in this amendment.

05. Questions: List of other measured data (model test and site tests)?

Answer: Available information is included in this amendment.

06. Question: Description of bearing system?

Answer: Pictures are included in this amendment.

07. Question: On page 2 of 42 under Note 7, Items 4, Reference List and Item 5, Project Information sheets, are items to be included in the bid package. It appears from the descriptions on 18 of 42 that the project information sheets would present the same information as the Reference list. Is there a difference in the information that the COE expects in the proposal information in reference to these two items?

Answer: Please refer to the changes made in Amendment 3.

08. Question: On page 23 of 42, (f) Buy American Act, under Section 52.213-3 Offeror Representations and Certification – Commercial Items (June 2003), would any of the bid items in the bid schedule be considered end products? Specifically, does the contractor need to declare country of origin for equipment items 0004 and 0008?

Answer: Part (f) of the Reps & Certs does not apply and therefore does not have to be filled out because FAR Clause 52.225-1, Buy American Act--Balance of Payments Program—Supplies does not apply to this solicitation.

09. Is it the COE's intention to award the recommended repair work as a result of the engineering study to the Contractor that performs the engineering study? If the COE performs the repair work or another Contractor, will the Contractor that recommended the repair technically direct this repair work?

Answer: If after Phase I it is determined that the problem can be repaired by COE personnel without the oversight of the contractor, Phase II (which is an option to this contract) will not be exercised. However, if after Phase I it is determined that the problem needs to be repaired with the oversight of the same contractor, then the Option for Phase II will be exercised. If the Option for Phase II were exercised then the Contractor would not be eligible to compete for a contract to perform the actual repair work. If the Option for Phase II is not exercised then the Contractor might be eligible to compete for a contract to perform the actual repair work. It is the COE's intention to perform as much of the repair work as possible. Any of the repair work that the COE cannot perform itself would then be contracted out using the applicable procedures.

10. Question: We have some expenses we would like to submit for our trip to Elberton, Ga but I'm not sure what form I need or how, who to submit them. (See Note 6 of RFQ)

Answer: The Government will not reimburse Contractors for the travel and per diem costs related to attending the site visit. In any contract resulting from this solicitation the Government will reimburse the Contractor for the travel and per diem costs related to completing the Contract (line items 3 & 7). This is what Note 6 is referring to.